



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/749,430	12/28/2000	Nicholas Sauriol	56130.000066	5692

7590

08/02/2004

James G. Gatto, Esq.
Hunton & Williams
Suite 1200
1900 K Street, N.W.
Washington, DC 20006

EXAMINER

PAN, YUWEN

ART UNIT

PAPER NUMBER

2682

DATE MAILED: 08/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/749,430	SAURIOL ET AL.	
	Examiner	Art Unit	
	Yuwen Pan	2682	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 May 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-29 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-29 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Response to Arguments

1. Applicant's arguments filed 5/25/04 have been fully considered but they are not persuasive.

The applicant argues that Youngs reference does not teach or suggest, "enabling the radio programming to be accessible over a processor based network and wherein the processor based network is connectable to a cellular transmission network". The examiner respectfully disagrees because Youngs reference teaches that MSC in which associates with WSLR (see figure 1) processes information between the media services, such as TV and radio and the wireless network. Although Youngs reference does not explicitly show a component or a interface that transfer any handset requested media programs such as radio or Internet, there must be at least an software program to convert the media programs format to the accessible and acceptable wireless application format if such media programs is indirectly through the wireless network. For instance, T-mobile, one of US wireless service provider, provides a feature called T-ZONES. When the user accesses the T-ZONES, the user can retrieve e-mails or real-time stocks quotes, etc. Because of the display size of the handset, wireless network is unable to directly display the original e-mail in which is easily appeared on the computer screen, Wireless Application Protocols (WAP) is utilized to convert and compress any non-WAP format to WAP format such that it could be easily appear on user's handset. The same situation would apply on audio signal too. Therefore, when an infrastructure comprises MSC, plurality of media programs, BSCs, base stations and handsets, in order for handsets to receive requested information properly, it is inherently that there must be some type of interface or converter to bridge two totally distinguish systems.

Upon foregoing reasoning, the previous rejection sustains.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-19, and 21-29 rejected under 35 U.S.C. 102(e) as being anticipated by Young et al (US006600918B1).

With respect to claims 1, 9, Young discloses a method and an apparatus for broadcasting radio programming, TV shows, Internet, and etc. over a cellular transmission network (see column 3 and lines 10), comprising:

Providing radio programming in an appropriate format; Enabling the radio programming to be accessible over a processor based network and wherein the processor based network is connectable to a cellular transmission network; and transmitting the radio programming over the cellular transmission network and receiving radio programming (see figure 1, column 3 and lines 5-29).

With respect to claims 17, 26-29, Young discloses an access device, MSC, for enabling radio programming to be accessible over a processor-based network, a wireless network, the access device comprising:

An input for receiving radio programming (see figure 1), inherently a converter for converting the radio programming to an appropriate format and a delivery module, a base station control that delivers the radio programming to a cellular transmission network.

With respect to claim 22, Young discloses a receiver (see figure 1 and item 32f), the receiver comprising: an input for receiving the radio programming signal; an audio output for delivering an audible portion of the radio programming signal; and a display for displaying a visible portion of the radio programming signal (see column 3 and lines 5-15).

With respect to claims 2, 3 and 9, 10, Young further teaches a step of receiving the radio programming (see figure 1 item 24) with a decoder receiver.

With respect to claims 4-7 and 12 -15, Young further teaches that the cellular transmission network transmits signals over a plurality of channels and the step of transmitting the radio programming further comprises: transmitting information over at least one of the plurality of channels (see figure 1 and column 3 and lines 60-65), transmitting the advertising information in a format that is displayable as visual display (see column 3 and lines 15-20).

With respect to claims 8, 16, 18, Young further teaches that accessing a radio station over the Internet (see column 3 and lines 17-20).

With respect to claim 19, Young further teaches that the input further comprises an over air radio broadcast receiver (see column 3 and line 14)

With respect to claims 21 and 25, Young further teaches an additional input for receiving additional cellular transmission network signals (see figure 1).

With respect to claims 23 and 24, Young further teaches a handset that receives the radio-programming signal (see column 3 and lines 5-10), inherently the handset comprises a decoder and a decompressor.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 20 is rejected under 35 U.S.C. 103(a) as being unpatentable over Young et al (US006600918B1) in view of Enzmann et al (US006516203B1).

With respect to claim 20, Young doesn't expressly teach that the broadcast system further comprises a signal compressor for compressing a signal associated with the radio programming received as input and an encoder for encoding the signal.

Enzmann et al teaches utilizing wireless Application Protocol to interface from the wireless system to the Internet.

Therefore, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to compress and encode an input signal with the broadcasting system such that the wireless communication system is able to adapt the signal from other media and broadcast it in its own domain.

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yuwen Pan whose telephone number is 703-305-7372. The examiner can normally be reached on 8-5 M-F.

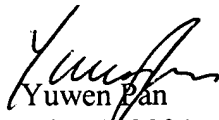
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivian Chin can be reached on 703-308-6739. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Application/Control Number: 09/749,430

Page 7

Art Unit: 2682


Yuwen Pan
July 19, 2004


VIVIAN CHIN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600